

Industrial RJ45 Mag Jack

TE Internal #: 5-2301995-4

RJ45 with Integrated Magnetics Connector, Single Port, 1 x 1,
Standard Connector Contact Density, Jack, Shielded, Cat 5e,
Industrial RJ45 Mag Jack

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Connectors > Modular Jacks & Plugs > RJ45 Connectors



Modular Jack & Plug Interface Type: **RJ45 with Integrated Magnetics**

Port Configuration: **Single Port**

Port Matrix Configuration: **1 x 1**

Modular Jacks & Plugs Products: **RJ Type Jacks & Plugs**

Connector Contact Density: **Standard**

Features

Product Type Features

Modular Jack & Plug Interface Type	RJ45 with Integrated Magnetics
Modular Jacks & Plugs Products	RJ Type Jacks & Plugs
Modular Connector Style	Jack
Grounding Options	PCB Ground
Connector & Contact Terminates To	Printed Circuit Board

Configuration Features

Number of PCB Ground Tabs	2
Number of Panel Ground Tabs	0
Port Configuration	Single Port
Port Matrix Configuration	1 x 1
Connector Contact Density	Standard
Number of Positions	8
Number of Loaded Positions	8
PCB Mount Orientation	Vertical



Signal Characteristics

Data Rate	1000 Mb/s
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Body Features

LED Color (Top Left)	None
PCB Retention Feature Material	LCP
LED Color (Bottom Left)	Green/Yellow
LED Color (Top Right)	None
Insulator Material	LCP
Shield Plating Finish	Matte
LED Color (Bottom Right)	Green/Yellow
PCB Ground Tab Location	3.89 mm[.153 in]
Shield Plating Material	Nickel
Shield Material	Brass
Modular Jack Latch Orientation	Standard - Latch Down
Connector Profile	Standard

Contact Features

PCB Contact Termination Area Plating Material Finish	Matte
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Mating Area Plating Material	Gold
Contact Base Material	Copper Alloy
Contact Mating Area Plating Material Thickness	.76 µm[30 µin]

Termination Features

Termination Method to PCB	Through Hole - Solder
Termination Post & Tail Length	1.9 mm[.035 in]

Mechanical Attachment

PCB Mount Retention Type	Boardlock
Connector Mounting Type	Board Mount, Panel Mount

Housing Features

Mating Entry Location	Top
Centerline (Pitch)	2.54 mm[.05 in]
Housing Color	Black



Housing Material	LCP (Liquid Crystal Polymer)
Dimensions	
Connector Height	16.9 mm[.665 in]
Usage Conditions	
Operating Temperature Range	-40 – 85 °C[-40 – 185 °F]
Operation/Application	
Indicator Type	LED
Shielded	Yes
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Performance Category	Cat 5e
Packaging Features	
Packaging Quantity	50
Packaging Method	Tray
Other	
Shield Panel Ground Type	Shield has bottom panel grounds.

Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Compliant
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2024 (241) Candidate List Declared Against: JUNE 2024 (241) Does not contain REACH SVHC
Halogen Content	BFR/CFR/PVC Free, but Br/Cl >900 ppm in other sources.
Solder Process Capability	Reflow solder capable to 260°C

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as



EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulation, the information TE provides on SVHC in articles for this part number is based on the latest European Chemicals Agency (ECHA) 'Guidance on requirements for substances in articles' posted at this URL: <https://echa.europa.eu/guidance-documents/guidance-on-reach>

Compatible Parts



TE Part # 1987236-1
RJ45 CONNECTOR IP20 45 DEG.,
INDUSTRIAL

Also in the Series | Industrial RJ45 Mag Jack



RJ45 Connectors(102)

Customers Also Bought



TE Part #1-104257-5
16 MTE RCPT HSG SR LATCH .100



TE Part #5-794638-0
20P MICRO MNL ASSY,VRT,SMT,LF

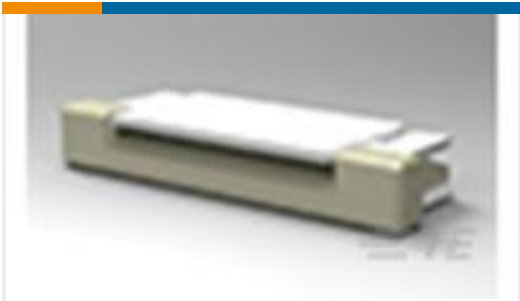


TE Part #1-1734592-4
FPC CONN. 0.5MM PITCH B/C, 14P



TE Part #6-103635-5
16 MTE HDR SRRA LTCH.100CL LF





TE Part #2-1734839-4
FPC CONN. 0.5MM PITCH T/C,24P



TE Part #5-2301994-9
RJ45 JACK INT.MAG. 10/100 LED 1X1



TE Part #1456468-1
8p Hybrid 0.64/2.8 Unsealed Header Assy



TE Part #1734261-4
1.25 WTB, HDR, SMT, RA, 4P



TE Part #2367196-3
1.0mm WTB RIGHT ANGLE TYPE
WITH LATCH

Documents

Product Drawings

RJ45 JACK INT.MAG. 1GB LED 1X1 VERT.

English

CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_5-2301995-4_A.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_5-2301995-4_A.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_5-2301995-4_A.3d_stp.zip

English

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

Datasheets & Catalog Pages

1-1773921-5_RJ45_Integrated_Magnetics_0617

English

Product Specifications

Application Specification

English